

# Air Products Gasification Services and Solutions



Air Products is a market leader for safety, technology, innovation and operational excellence in gasification.

Founded more than 75 years ago, Air Products is a \$10 billion company with operations in over 50 countries.

When it comes to gasification technologies, no other company has our level of institutional knowledge, operating experience and expertise.

Chances are that we have already seen, and solved, issues you are having with your gasification plant in our own fleet.

Our experience gained from years of design integration and operation is the key to providing a plant assessment with a focus on solutions. Put our operational expertise to work for you.

**Air Products owns and operates gasifiers around the world with a variety of feedstocks and we share knowledge and best practices with our customers.**

## What we can offer

Studies customized to your individual objectives, such as productivity, reliability, operability improvements, capacity expansion, feedstock flexibility, mechanical integrity improvements, etc. can be conducted for you. These studies are normally conducted in two phases to develop the best solutions for your particular facility.

- Phase 1—Baseline current performance and gap analysis versus industry best practices
- Phase 2—Detailed evaluation to meet your goals, including economic justification and recommendations

After the study, Air Products can provide specific implementation services, such as design, installation, construction management, operator training, and start-up support. We can also stay involved with your operations to provide ongoing support if needed.

## To improve your gasification productivity, Air Products also offers:

- ProcessMD™ Services – patented advanced process and equipment predictive analytic software based on our extensive operating plant database and live information updates
- Plant consulting services are also available to develop the best solutions for your facility

# ProcessMD™ Services

Insight > Data > Expertise > Action > Savings

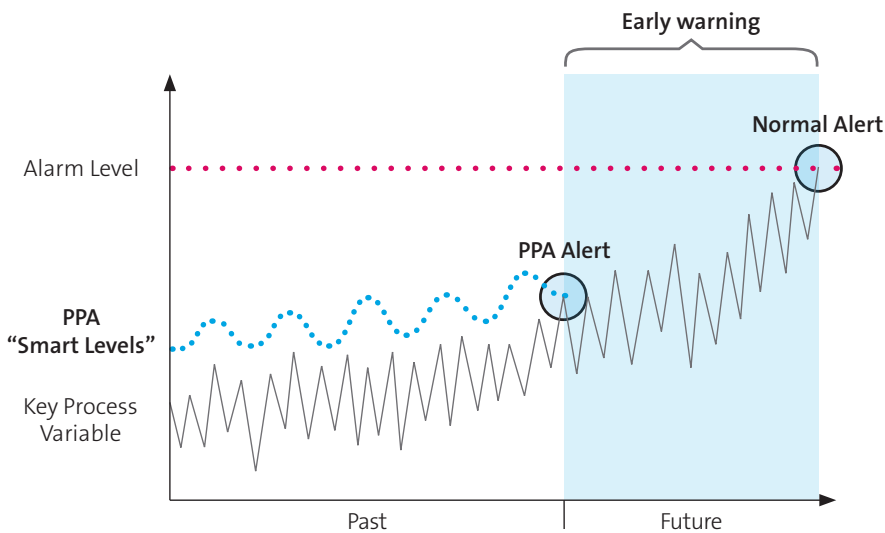
## What we can offer

- Data collection in a secure digital cloud
- Proactive monitoring for abnormal operating conditions
- Prompt analysis to investigate the cause
- Preferred access to Air Products' technical resource for timely support
- Monthly report containing recommended actions for cost savings
- Technical Service Program with site visits

## Detect impending failures weeks or months before alarms go off

ProcessMD uses “smart levels” based on process models that adjust for variables like ambient temperature and production rate to determine when a key process variable is out of range from expected variations. This provides advanced warning from fixed alarm limits which are often set much higher.

### How ProcessMD alerts can give you early warning:



### For more information, please contact us at:

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